

Product Datasheet

Anti-Nav1.4 Sodium Channel Antibody FL594 Conjugate



Overview

Catalog #	75-424-FL594
Conjugate	FL594 Ex: 594 nm, Em: 615 nm
Isotype	IgG2a
Clone Number	N255/38
Size	200 µL
Concentration	0.5 mg/mL
Host Species	Mouse Monoclonal
Format	Purified by Protein A chromatography
Buffer	PBS with 0.09% azide
Applications	ICC, IHC
Species Reactivity	Mouse and Rat
Immunogen	Fusion protein amino acids 269-386 (Repeat I external pore between S5 and S6) of rat Nav1.4 (accession number P15390) produced recombinantly in E. Coli
Molecular Weight	>200 kDa
Cite this Antibody	Antibodies Inc Cat# 75-424-FL594, RRID: AB_2940410

Details

Target Description	Sodium channel subunit beta-1 or Navbeta1 Na ⁺ channel is encoded by SCN1B. Voltage gated sodium channels are made up of an alpha (pore forming) subunit and 1 or 2 beta subunits. SCN1B has two splice variants. Navβ1 is a transmembrane protein and acts as a regulatory subunit in excitable membranes and modulates the kinetics of channel inactivation. It is found expressed in brain, spinal cord, heart and skeletal muscle. Diseases associated with SCN1B include several types of epilepsy.
Specificity	No cross-reactivity reported
Purification Method	Produced by in vitro bioreactor culture of hybridoma line followed by Protein A affinity chromatography and conjugation of purified mAb. Purified mAbs are >90% specific antibody.
Quality Control Tests	Each new lot of antibody is quality control tested on cells overexpressing target protein and confirmed to give the expected staining pattern.

Storage

Aliquot and store at $\leq -20^{\circ}\text{C}$ for long term storage. For short term storage, store at $2-8^{\circ}\text{C}$. For maximum recovery of product, centrifuge the vial prior to removing the cap.

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